PTO/SB/21 (03-03) Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Uder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/675,192 Filing Date TRANSMITTAL September 30, 2003 **FORM** First Named Inventor DOUGLAS et al. Art Unit (to be used for all correspondence after initial filing) Examiner Name Attorney Docket Number 5853-405 Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication Drawing(s) to a Technology Center (TC) Fee Transmittal Form Appeal Communication to Board Licensing-related Papers of Appeals and Interferences Fee Attached Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Amendment/Reply Petition to Convert to a Proprietary Information Provisional Application After Final Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) (please Terminal Disclaimer Identify below): Extension of Time Request Form PTO/SB/08A & B; 2 References; Request for Refund **Express Abandonment Request** and 1 Postcard. CD, Number of CD(s) Information Disclosure Statement Remarks Certified Copy of Priority No fee is believed due. However, if any fee is due, the Commissioner is authorized to charge Document(s) any such fee and any additional fees due or credit any overpayment to Deposit Account No. Response to Missing Parts/ 50-0951. Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being far:simile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:

Typed or printed

Neil R. Jetter

Date

February 2, 2004

Firm

Individual Signature AKERMAN SENTERFITT

Neil R. Jetter

This collection of information is required by 37 CFR 1.5 The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



## PATENT IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: DOUGLAS et al.

Application No.:

10/675,192

Examiner:

Filed:

September 30, 2003

**Group Art Unit:** 

For: LIGHT EMITTING COMPOSITE MATERIAL

AND DEVICES THEREOF

CERTIFICATE UNDER 37 CFR 1.8(2)

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-

1450, on February 2, 2004.

Neil R. Jetter

Commissioner for Patents Post Office Box 1450 Alexandria, VA 22313-1450

Date: February 2, 2004

## INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to the Duty to Disclose under 37 C.F.R. §1.56, Applicants hereby disclose information that may be relevant to the Examiner's consideration of the above-identified application and the patentability of its claims.

In accordance with Rules 56, 97, and 98 of the Rules of Practice in Patent Cases (37 C.F.R. §§ 1.56, 1.97, and 1.98), Forms PTO/SB/08A & B with references cited therein are submitted for consideration by the Examiner. While the references provided in this Information Disclosure Statement may be material to patentability pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any reference referred to herein is prior art for this invention unless specially designated as such. Also, in accordance with 37 C.F.R. § 1.97(g), the {WP166851;1}

In re Application of: DOUGLAS et al. Application No.:

10/675,192

Filed:

September 30, 2003

Group Art Unit:

For: LIGHT EMITTING COMPOSITE MATERIAL

AND DEVICES THEREOF

filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(a) exists.

This Information Disclosure Statement is being filed before the issuance of a first office action on the merits of the application (37 C.F.R. 1.97(b)(3)); therefore, no fee is believed to be due. However, if any fee is due, the Commissioner is authorized to charge any such fee and any additional fees due or credit any overpayment to Deposit Account No. 50-0951.

Respectfully submitted,

Neil R. Jetter, Reg/No/46,803 AKERMAN SENTEKFITT

222 Lakeview Avenue, Suite 400

Post Office Box 3188

West Palm Beach, FL 33402-3188

Telephone: (561) 653-5000 Facsimile: (561) 659-6313

Docket No. 5853-405

PTO/\$B/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Onto the forest AAAOINTO	Complete if Known			
Substitute for form 1449/PTO	Application Number	10/675,192		
INFORMATION DICCLOCURE	Filing Date	September 30, 2003		
INFORMATION DISCLOSURE	First Named Inventor	DOUGLAS et al.		
STATEMENT BY APPLICANT	Art Unit			
(Use as many sheets as necessary)	Examiner Name			
Sheet 1 of 2	Attorney Docket Number	5853-405		

				DOCUMENTS	D. C. L. Whare
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2 (f known)</sup>			Tigures Appear
		US- <sub>2001/0000335</sub>	04/19/2001	Yamada et al.	
-		US- <sub>6,239,453</sub>	05/29/2001	Yamada et al.	
		US- 2002/0154382	10/24/2002	Morrison et al.	
		US- <sub>6,049,090</sub>	04/11/2000	Clark, Jr.	
		US- <sub>5,420,845</sub>	05/30/1995	Maeda et al.	
		US- <sub>5,677,546</sub>	10/14/1997	Yu	
		US- 5,408,109	04/18/1995	Heeger et al.	
		US- 5,247,190	09/21/1993	Friend et al.	
		US- 2002/0098377	07/25/2002	Cao et al.	
		US- <sub>2002/0126073</sub>	09/12/2002	Knapp et al.	
		US- <sub>2003/0034486</sub>	02/20/2003	Korgel	
		US- <sub>2003/0064532</sub>	04/03/2003	Chen	
		US- 2003/0003300	01/02/2003	Korgel et al.	
		US- 2001/0040232	11/15/2001	Bawandi et al.	
		US- 2003/0017264	01/23/2003	Treadway et al.	
		US- 2002/0164271	11/07/2002	Но	
•		US- <sub>5,142,343</sub>	08/25/1992	Hosokawa et al.	
		US- <sub>5,682,043</sub>	10/28/1997	Pei et al.	
	_	US- 5,966,393	10/12/1999	Hide et al.	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	-6
		Country Code <sup>3 -</sup> Number <sup>4 -</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T°
						_
<u> </u>						┢

Examiner Signature	·	Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For some content of the formal citation is in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. The Formal citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. The Formal citation is not in conformance and not considered. Include copy of this formal citation is not conformance and not considered. The formal citation is not conformance and not considered citation is not conformance. The formal citation is not conformance and not considered citation is not conformance citation is not conformance and not conformance citation is no Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Office the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSUR

Substitute for form 1449/PTO

Sheet 2

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known			
Application Number	10/675,192		
Filing Date	September 30, 2003		
First Named Inventor	DOUGLAS et al.		
Art Unit			
Examiner Name			
Attorney Docket Number	5853-405		

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (d known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code		Di		
		US- <sub>6,241,819</sub>	06/05/2001	Bhargava et al.		
		US- <sub>6,294,800</sub>	09/25/2001	Duggal et al.		
		US- <sub>6,468,808</sub>	10/22/2002	Nie et al.		
		US- <sub>6,538,371</sub> ·	03/25/2003	Duggal et al.	,	
		US- 2003003043	01/02/2003	Ishida		
		US- 20030020101	01/30/2003	Bogner et al.		
		US- 20020185378	12/12/2002	Honeyman et al.		
		US- 5,237,582	08/17/1993	Moses		
		US- <sub>5.563,424</sub>	10/08/1996	Yang et al.		
		US- 5,789,100	08/04/1998	Burroughs et al.		
		US- <sub>6,251,303</sub>	06/26/2001	Bawendi et al.		
		US- <sub>6,319,426</sub>	11/20/2001	Bawendi		
		US- 6,501,100	12/31/2002	Srivastava et al.		
		US- 2003/0024438	02/06/2003	Botty et al.		
		US- 4,775,964	10/04/1988	Alessio et al.		
		US- 5,852,346	12/22/1998	Komoda et al.		
		US- <sub>6,252,254</sub>	06/26/2001	Soules et al.		
		US- <sub>6,466,135</sub>	10/15/2002	Srivastava et al.		
-		US- 6,522,065	02/18/2003	Srivastava et al.		

	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code <sup>3 -</sup> Number <sup>4 -</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>	
						_	
		•					
						<u>L</u>	
		·;	.			<u></u>	

Examiner	Date	
	0	
Signature	Considered	
O.g. latar o		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. \*Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Translation is attempted.

Iranslation is atlached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006, OMB 0651-0031

5853-405

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Complete if Known

Application Number
10/675,192

Filing Date
September 30, 2003

First Named Inventor
OUGLAS et al.

Art Unit
Examiner Name

Attorney Docket Number

1

of

Sheet

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		TISSUE et al., "Preparation, Characterization, and Dynamical Properties of Nanostructural Metal-Oxide Materials," NSF Partnership in Nanotechnology Conference, Jan. 29&30, 2001.	
		HATTORI et al., "Full-Color Light-Emitting Devices Based on n- and o- Conjugated Polymer Materials," Department of Electrical Engineerig and Compute Science, ISSN0098-0966X/98/2901, 1998.	
			٥.
•			
		×	

Examiner	Date	
Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: